



MERIT ENERGY COMPANY

## Shoshone 65-20

### Plug and Abandonment Procedure

#### Well Information

Field: Circle Ridge  
 County: Fremont County, Wyoming  
 Legal: 330' FSL & 1,060' FEL Section 36 T7N R3W  
 Lat/Long: 43.5336, -109.05592  
 API #: 4901306833

Ground level elevation	7,217'	KB Elevation:	7,229'
TD:	1,148'	PBTD:	1,148'
Surface Casing:	9-5/8", 25.7 #/ft, @ 74'		
Surface Casing Cement:	75 sx		
Surface Casing TOC:	Surface	Source:	Drilling Report
Production Casing; Liner:	5-1/2" 14.0 #/ft, J-55, @ 905' 4-1/2" 11.6 #/ft, K-55 @ 847'		
Production Casing Cement Liner Cement	75 sx 55 sx Class G		
Production Casing TOC Liner TOC	567' Surface	Source:	Calculation Workover Report
Production Tubing	2-7/8" 6.5 #/ft tubing and packer		
Open perforations	Phosphoria OH: 905' – 1,148'		
Well Status	Shut In Injector		

**Note:** All cement pumped for this procedure will be 15.8 ppg Class G neat cement with a yield of 1.16 cu. Ft/sk and .3% by weight dispersant added.

#### Plugging Procedure

1. MIRU, pull all tubing, packers, rods, and pumps out of hole.
2. Run Bit and Scraper to the bottom of the liner @ 847'.
3. Set CICR 50' above the bottom of the liner at 797'.
4. Pump 1.5x wellbore volume (40 sx) of cement below CICR.
5. Sting out of CICR, pump 16 sx on top of retainer (TOC = 560').
6. WOC 24 hours.
7. Pressure test casing to a minimum of 500 psi for 10 minutes.
8. Perforate at 525' thru 4.5" Liner and 5.5" production CSG.
9. Pump 1.5x wellbore and 5.5"x4.5" annular volume of cement to surface through 5.5" leaving balanced plug inside 4.5" to surface.
10. WOC 24 hours. If cement level has fallen top off production casing with cement back to surface utilizing 1" poly hose.
12. Cut casing 3' below grade and weld on dry hole plate w/ legal ID. Remove rig anchors.



Well: Shoshone 65 20  
Status: SHUT-IN  
County, State: FREMONT, WYOMING  
API: 490130683200

CPF: Circle Ridge  
Spud Date: 1/1/1900  
Ground Elevation: 7,217.00  
KB Elevation: 7,229.00  
On Production Date: 7/25/1953

